						Diluge	Inspecti							
Bridge File Nur	nber	07493 -1	Bridge				Form	Туре		PSR PCS				
Year Built/Year	•	1965/19						Э.	1					
Supstr Bridge og Teurs	NI		,				Inspec	ctor Name		Garry Roberts				
Bridge or Town	Name						Inspec	ctor Class		BR CLS A				
Located Over				R, 3.88, 1	VATERCE	(5-51	Assist	ant Name						
Located On	<u>N/</u>	761:08 0	11.050				Assist	ant Class						
Water Body Cl.							Inspec	ction Date		08-Mar-2013	3			
Navigabil. Cl./Y							Data E	Entry By		Marcia Chav	/ez			
Legal Land Loc			28 TWF		4 W5M		Data E	Entry Date		26-Mar-2013	3			
Longitude, Latit			47, 52:38		<b></b> `		Review	wer Name		John O'Brier	ו			
Road Authority			Fransport	ation (AI	1)		Review	w Date		24-Mar-2013	3			
Contract Main.		CMA18					Dept.	Reviewer I	Name	Chris Black				
Clear Roadway	//Skew		deg. (LH	F)			Dept.	Review Da	te	28-Mar-2013	3			
AADT/Year		150 / 20	. ,				- Follow	v-Up By						
Road Classifica		RCU-20	96-90				_							
Detour Length	<u> </u>	3			Corri			<b></b>					aal Oraan	
Allowable Load	(t): Sin	igie			Semi			Train				> On Criti >Critical M	Vember	
Design Loading	g:	HS	20									> Primary		
						Posting	Information	tion						
Required Load	Posting	(t)		Single			Se	emi			Truc	k Train		
Posted Loading	g (t)			Single			Se	emi			Truc	k Train		
Posted:	Lane	NB			tion (Y/N)	No	In	Advance (	(Y/N)	No	At B	ridge (Y/N)	No	
											_			
Posted:	Lane	SB		At Junc	tion (Y/N)	No	In	Advance (	(Y/N)	No	At B	ridge (Y/N)	No	
Posted: Remarks	Lane	SB		At Junc	tion (Y/N)	No	In	Advance (	(Y/N)	No	At B	ridge (Y/N)	No	
Remarks			Yes	At Junc	tion (Y/N)	No	In	Advance (	(Y/N)	No	At B	ridge (Y/N)	No	
			Yes	At Junc	tion (Y/N)	No	In	Advance (	(Y/N)	No	At B	ridge (Y/N)	No	
Remarks Hazard Marker Remarks	At Bride		Yes	At Junc	tion (Y/N)	No	In	Advance (	(Y/N)	No	At B	ridge (Y/N)	No	
Remarks Hazard Marker	At Bride		Yes	At Junc			(Located		(Y/N)	No	At B	ridge (Y/N)	No	
Remarks Hazard Marker Remarks	At Bridg		Yes	At Junc					(Y/N)	No	At B	ridge (Y/N)	No	
Remarks Hazard Marker Remarks Other Sign Typ	At Bridg es							d at)		No es 50 m Sou		ridge (Y/N)	No	
Remarks Hazard Marker Remarks Other Sign Typ Utility Attachme	At Bridg	ge (Y/N) th along V s 10m Ea	Vest side ast r/w.				(Located	d at)				ridge (Y/N)	No	
Remarks Hazard Marker Remarks Other Sign Typ Utility Attachme Telephone Power	At Bridg	ge (Y/N)	Vest side ast r/w.				(Located Gas Munic	d at) ipal				ridge (Y/N)	No	
Remarks Hazard Marker Remarks Other Sign Typ Utility Attachme Telephone Power Others	At Bridg	ge (Y/N) th along V s 10m Ea	Vest side ast r/w.				(Located Gas Munic	d at) .ipal	Cross			ridge (Y/N)	No	
Remarks Hazard Marker Remarks Other Sign Typ Utility Attachme Telephone Power Others	At Bridg	ge (Y/N) th along V s 10m Ea	Vest side ast r/w.			Utilities	(Located Gas Munic Proble	d at) ipal em (Y/N)	Cross			ridge (Y/N)	No	
Remarks Hazard Marker Remarks Other Sign Typ Utility Attachme Telephone Power Others	At Bridg	ge (Y/N) th along V s 10m Ea	Vest side ast r/w.			Jtilities	(Located Gas Munic Proble ach Roa	d at) ipal em (Y/N)	Cross	es 50 m Sou		ridge (Y/N)	No	
Remarks Hazard Marker Remarks Other Sign Typ Utility Attachme Telephone Power Others Remarks	At Bridgessents In dito 2 wire 2 pow	ge (Y/N) th along V s 10m Ea	Vest side ast r/w.		Las	Approst Now	(Located Gas Munic Proble ach Roa	d at) ipal em (Y/N) ad nation of (	Cross No Condit	es 50 m Sou		ridge (Y/N)	No	
Remarks Hazard Marker Remarks Other Sign Typ Utility Attachme Telephone Power Others Remarks Horizontal Aligr	At Bridgessents In dito 2 wire 2 pow	ge (Y/N) th along V s 10m Ea	Vest side ast r/w.		Las 7	Appro st Now 7	(Located Gas Munic Proble ach Roa Reside	d at) tipal em (Y/N) ad nation of ( ence acces	Cross No Conditions at S	es 50 m Sou	th.	ridge (Y/N)	No	
Remarks Hazard Marker Remarks Other Sign Typ Utility Attachme Telephone Power Others Remarks Horizontal Aligr Vertical Alignm	At Bridgers	ge (Y/N) th along V s 10m Ea	Vest side ast r/w. ross 70m		Las	Appro st Now 7	(Located Gas Munic Proble ach Roa Reside	d at) tipal em (Y/N) ad nation of ( ence acces	Cross No Conditions at S	es 50 m Sou tion W.	th.	ridge (Y/N)	No	
Remarks Hazard Marker Remarks Other Sign Typ Utility Attachme Telephone Power Others Remarks Horizontal Aligr Vertical Alignm Roadway Width	At Bridge ents In dito 2 wire 2 pow	ge (Y/N) th along V s 10m Ea	Vest side ast r/w.		Las 7 5	Appro st Now 7 7 5 5	(Located Gas Munic Proble ach Roa Reside	d at) tipal em (Y/N) ad nation of ( ence acces	Cross No Conditions at S	es 50 m Sou tion W.	th.	ridge (Y/N)	No	
Remarks Hazard Marker Remarks Other Sign Typ Utility Attachme Telephone Power Others Remarks Horizontal Aligr Vertical Alignm Roadway Width Approach Bum	At Bridg es In ditc 2 wire 2 pow	ge (Y/N) th along V s 10m Ea	Vest side ast r/w. ross 70m 8.000		Las 7	Appro st Now 7 5 5	(Located Gas Munic Proble ach Roa Reside	d at) tipal em (Y/N) ad nation of ( ence acces	Cross No Conditions at S	es 50 m Sou tion W.	th.	ridge (Y/N)	No	
Remarks Hazard Marker Remarks Other Sign Typ Utility Attachme Telephone Power Others Remarks Horizontal Align Vertical Alignm Roadway Width Approach Bum Guardrail (Y/N)	At Bridg es In ditc 2 wire 2 pow	ge (Y/N) th along V s 10m Ea	Vest side ast r/w. ross 70m		Las 7 5 7	Appro st Now 5 5 7 5	(Located Gas Munic Proble ach Roa Reside	d at) tipal em (Y/N) ad nation of ( ence acces	Cross No Conditions at S	es 50 m Sou tion W.	th.	ridge (Y/N)	No	
Remarks Hazard Marker Remarks Other Sign Typ Utility Attachme Telephone Power Others Remarks Horizontal Aligr Vertical Alignm Roadway Width Approach Bum Guardrail (Y/N)	At Bridg es In ditc 2 wire 2 pow	ge (Y/N) th along V s 10m Ea	Vest side ast r/w. ross 70m 8.000		Las 7 5	Appro st Now 5 5 7 5	(Located Gas Munic Proble ach Roa Reside	d at) tipal em (Y/N) ad nation of ( ence acces	Cross No Conditions at S	es 50 m Sou tion W.	th.	ridge (Y/N)	No	
Remarks Hazard Marker Remarks Other Sign Typ Utility Attachme Telephone Power Others Remarks Horizontal Aligr Vertical Alignm Roadway Widtt Approach Bum Guardrail (Y/N) Guardrail Length (m)	At Bridg es In ditc 2 wire 2 pow	ge (Y/N) ch along V es 10m Ea ver lines c	Vest side ast r/w. ross 70m 8.000		Las 7 5 7	Appro st Now 5 5 7 5	(Located Gas Munic Proble ach Roa Reside	d at) tipal em (Y/N) ad nation of ( ence acces	Cross No Conditions at S	es 50 m Sou tion W.	th.	ridge (Y/N)	No	
Remarks Hazard Marker Remarks Other Sign Typ Utility Attachme Telephone Power Others Remarks Horizontal Align Remarks Horizontal Align Roadway Width Approach Bum Guardrail (Y/N) Guardrail Length (m) Current Stand	At Bridgenes	ge (Y/N) ch along V es 10m Ea ver lines c	Vest side ast r/w. ross 70m 8.000		Las 7 5 7	Appro st Now 5 5 7 5	(Located Gas Munic Proble ach Roa Reside	d at) tipal em (Y/N) ad nation of ( ence acces	Cross No Conditions at S	es 50 m Sou tion W.	th.	ridge (Y/N)	No	
Remarks Hazard Marker Remarks Other Sign Typ Utility Attachme Telephone Power Others Remarks Horizontal Aligr Vertical Alignm Roadway Width Approach Bum Guardrail (Y/N) Guardrail Length (m) Current Stand Termination T	At Bridgenes	ge (Y/N) ch along V es 10m Ea ver lines c	Vest side ast r/w. ross 70m 8.000		Las	Appro st Now 7 7 5 5 7 5 7 5	(Located Gas Munic Proble ach Roa Reside Hill on	d at) ipal em (Y/N) ad nation of ( ence acces n South side	Cross No Condit ss at S e limits	es 50 m Sou tion W. s sight distan	ce.			
Remarks Hazard Marker Remarks Other Sign Typ Utility Attachme Telephone Power Others Remarks Horizontal Align Remarks Horizontal Align Roadway Width Approach Bum Guardrail (Y/N) Guardrail Length (m) Current Stand	At Bridgenes	ge (Y/N) ch along V es 10m Ea ver lines c	Vest side ast r/w. ross 70m 8.000		Las 7 5 7	Appro st Now 7 7 5 5 7 5 7 5	(Located Gas Munic Proble ach Roa Reside Hill on	d at) ipal em (Y/N) ad nation of ( ence acces n South side	Cross No Condit ss at S e limits	es 50 m Sou tion W. s sight distan	ce.	now covered.		

		1				structure
Bridge Comp						Explanation of Condition
(Primary Spa	n : <b>PM, 3 Spa</b>	ns, Length	s(m): 9.1-16.8-9	9.1, A-ld	ent Nu	imber: )
Special Feat	ures					
Special Featu	ire				X	
(Type : )						
Special Featu	ire				X	
(Type : )						
Wearing Surfa	ace/Deck Top	Detail Ratir	gs			
	N (%)	1 (%)	2 (%)	3 (%)		
Last	60	0	0		0	Gravel/snow covered.
Now	80.0	0.0	0.0	0	.0	
Wearing Surfa	ace			X	X	
(Material Ty						
(Thickness(						
Lateral Conne		n No				-
(Y/N)						
Deck Top				6 N		Abraded by gravel in 20% visible areas.
Deck Rideabi	lity			7	6	
Deck Joints				N	N	Covered by gravel/snow.
Temperatur	e (deg. C)	-9			IN	Buffer angles partially visible at piers.
(Expansion	•	-3				-
(Fixed Type						-
		Cor	Location			-
Gap Size (n	nin)	Ga	Location			-
						-
						-
						_
						-
						_
				0		
Deck Drainag		N/a a		6	4	All drains appear to be plugged. Drains on grade.
Drains Clog		Yes				
Curbs/Mediar				N	N	(Top curbs covered with gravel. Fascia scaling. Punchouts in curb fascia West side, span 2, 0.7 lin m. 0.3m spall @ span 1, North pier
	: Standard)					- West curb.) Snow covered.
Scaling (Pe	rcent Area)	7			1	
Bridge Rail				5	5	Single layer. Scrapes & bends at midspan.
	LVANIZED S	TEEL FLEX	BEAM)			
Bridge Rail P	osts			7	7	Rail galv posts painted, 10% rust showing through.
	LVANIZED PO	OST STEEL	GALVANIZED	POST		
STEEL)	ooto Cootin -				-	-
Bridge Rail/P				5	5	
(Type : GAI	LVANIZED)					
Sidewalk				X	X	
Girder Detail	Ratings					
	N (count)	1 (count)	2 (count)	3 (cou	int)	
Last	0	0	0		0	
Now	0	0	0		0	
Girders				7	6	Corrosion spot at S end of G2.
Cracking (Y	′/N)	No				Minor construction chip at S end of G9.
	ercent Area)	0				
(Number Of G						1

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Superstructure										
Bridge Comp	onent			Last	Now	Explanation of Condition				
(Primary Span	: PM, 3 Spa	ns, Lengths(r	n): 9.1-16.8-9	.1, A-Id	lent Nu	mber: )				
Diaphragms/C	ross Frame			X	X					
Bearings				X	X					
Temperature	e (deg. C)									
(Expansion										
(Fixed Type										
Coating Ade										
Functioning										
Deck Undersic	· · · ·			N	6	Stained at G2/G3, G6/G7 & G7/G8.				
Stains (Perc	ent Area)	3								
Span Alignme		s								
Vertical (Y/N		No				Due to skew, twisting, misalignment at ends of girders at curb locations on south pier up to 50mm at SE.				
Horizontal (Y		Yes				locations on south pier up to 50mm at SE.				
Superstructu	re General R	lating		6	6					
					Supers	tructure				
Bridge Comp	onent			Last		Explanation of Condition				
(Secondary Sp				120.00	1.1011					
Special Featu	· · · · ·									
Special Featur					Х					
(Type : )	-									
Special Featur	е				Х	1				
(Type : )	-									
Wearing Surfa	ce/Deck Top	Detail Ratings	3							
	N (%)	1 (%)	2 (%)	3 (%)						
Last	60	0	0		0	Snow/gravel covered.				
Now	70.0	0.0	0.0	0	).0					
Wearing Surfa	се			Х	Х					
(Material Typ										
(Thickness(r										
Lateral Conner (Y/N)		n No								
Deck Top				6	N	Abraded, where visible.				
Deck Rideabili	ty			7	6					
Deck Joints				X	Х					
Bump (Y/N)					~					
Deck Drainage	<u> </u>			6	4	All drains appear to be plugged.				
Drains Clogo		No		0		Drains on grade.				
Curbs/Median		110		N	N	Snow covered over gravel with grass.				
(Curb Type :					IN					
Scaling (Per		10				1				
Bridge Rail				5	4	NE terminal connection missing nut on 3/4 bolts.				
<b>U</b>	VANIZED ST	TEEL FLEX BI	EAM)	0	T					
Bridge Rail Po				6	N	Post bases are snow covered.				
		OST STEEL;G	ALVANIZED	-						
Bridge Rail/Po	sts Coating			5	4	Galv rail posts painted, 20% rust showing through.				
(Type : GAL				5	+					
Sidewalk				X	X					
Sidewalk				X	X					

						Supers	structure
Bridge Comp	oonent			La	st	Now	Explanation of Condition
(Secondary S	Span : <b>PE</b> )						
Girder Detail	Ratings						
	N (count)	1 (count)	count) 2 (count)		cou	nt)	
Last	0	0	(	)	0		
Now	0	0	0	)			_
Girders	Girders						S1G9 has stirrup visible from low cover.
Last Complete Inspection Date 08-Mar-2013							S3G1 has spallin S AZ in 1 leg only.
Cracking (Y	•	Yes	s				S3G2 has visible rebar from low cover.
	ercent Area)	0					-
Lift or Connec Grouted (Y/N	ctor Pocket	Ye	S				Where visible.
(Number Of C							
Span Alignm							
Vertical (Y/I		No					Est. 120 mm out of alignment due to skew, twisting of bridge.
Horizontal (		Yes					
			3		7	4	
Superstructu	ure General I	Kating			7	4	
						Subst	ructure
Bridge Comp	oonent			La	st	Now	Explanation of Condition
Abutments							
(Extended I	Backwall Pile	s (Y/N) : <b>Y</b> )	)				
(Extended I	Backwall Pile	s Spacing(	mm) : <b>1800</b> )				
(Total Numbe	er of Caps/Co	rbels : <b>3:3</b> )					
Bearing Seats	s/Caps/Corbe	els Detail R	atings				_
	N (count)	1 (count)	2 (cou	nt) 3 (	cou	nt)	_
Last	0	0	0	)		0	
Now	0	0	0	)	0		
Bearing Seats	s/Caps/Corbe	els			6	4	Caps cored 08Mar2013.
(Type : TRE	EATED TIMB	ER)					Beginning rot in both top caps of A1.
(Depth(mm)	) : <b>356</b> )						
(Width(mm)	) : <b>305</b> )						
Backwalls/Bre	eastwalls				7 5		40mm gaps in A1 backwall; still retaining fill.
Greatest He	eight (m)	1.4	0				
Wingwalls					5	3	SE wing pile is broken; planks are presently retaining fill. Damaged tin cap at SW.
(Total Numbe	er of Bearing	Piles : <b>9:9</b> )					
Piles Detail R	atings						
	N (count)	1 (count)	2 (cou	nt) 3 (	cou	nt)	
Last	0	0	0	)		0	
Now	2	0		)		1	
Piles				(	6 3		Piles cored 08Mar2013. Piles under A1 subcap are buried. Rot in AsP7 & beginning rot in A1P1.
Paint/Coating	J			)	x	Х	
Abutment Sta	ability			-	7	5	
Scour/Erosion	n				5	4	Erosion at both hslps; not yet affecting abuts.

Alberta Transportation

					Subst	ructure					
Bridge Com	ponent			Last	Now	Explanation of Condition					
Piers/Bents											
(Type : PIE	R-COLUMN)					Each pier has 3 rows of top caps with each cap in 2 sections - 6/pier.					
(Total Numbe	er of Caps/Co	rbels : <b>12:12</b> )				Also 6 corbels at each pier.					
Bearing Seat	s/Caps/Corbe	Is Detail Ratin	gs			-					
	N (count)	1 (count)	2 (count)	3 (co	unt)	-					
Last	0	0	0	0		Caps cored 08Mar2013.					
Now	0	0	1	2		P1 E corbel is crushing 15mm; 4 other corbels have beginning rot.					
<b>U</b>	s/Caps/Corbe			4 2		Rot in P1 middle W cap & beginning rot in middle E cap and Š caps. P2 has rot in W middle cap and beginning rot in both S caps.					
	EATED TIMB										
-	er of Bearing F	Piles : <b>12:12</b> )				Double row of 6 plus 1 nose pile.					
Piles Detail R			<b>0</b> ( )	<b>a</b> (		-					
	N (count)	1 (count)	2 (count)	3 (co		-					
Last	0	0	0		0						
Now	0	0	1	-	4	_					
Pier Shaft/Pil Greatest H		4.70		6	2	Piles cored 08Mar2013. P1, S piles: P4 has rot, P1,3,6 beginning rot. P1, N piles: P6 is cracked 60mm & bulging at water/ice and P2-4 al have beginning rot. P2, S piles: P2-3 have rot, P1,4-6 beginning rot. P2, N piles: P3 has rot, P1-2 have beginning rot.					
Bracing/Strut	s/Sheathing			4	3	Sheathing - requires lowering 3 planks on S pier & 1 on N. Several loose planks.					
Nose Plate				5	5						
Paint/Coating	 1			6 5		Galvanized nose sheeting only; minor rust lower 1m.					
(Colour De						, , , , , , , , , , , , , , , , , , ,					
(Colour Co	· · · · · · · · · · · · · · · · · · ·										
Pier Stability				5	3	Crushing corbel & bulging pile.					
Scour				4	N	Ice					
Debris (Y/N)		Yes				Old piles in streambed; debris caught on NE fence. Minor drift at d/s end of P2.					
Substructur	e General Ra	ting		4	2						
				5	Structu	re Usage					
					Now	Explanation of Condition					
Channel											
(U/S Directio	n : <b>W</b> )										
(D/S Directio	n : <b>E</b> )										
Alignment				7	7						
Bank Stability	/			7	7						
	ow Top of Cur					HWM not visible. Minor drift and debris at d/s end, P2.					
Drift (Y/N)		Yes			-						
Slope Protec				5	5	Some material loss from flood - stable.					
	TURAL; NAT	URAL)		V	v						
Guidebank/S				X	X						
Adequacy of	Opening			6	5						
		ure 1 : NONE)									
(Fish Compe		ure 2 : <b>NONE</b> )		5	5						
Channel Gel	ierai naung			5	5						

Alberta Transportation

					Maintenance Re	commend	lations						
Inspector Recom	mendations		Year	Inspecto	r Comments		Department Cor	mmen	its		Target Year	Est. Cost	Cat #
REPAIR/REPLAC	E BRIDGE RAIL		2013	Install 3	nuts at NE wing end.								
GALVANIZE/PAI	GALVANIZE/PAINT BRIDGE RAIL												
SEAL CURBS			2013	Patch hole in S2 West curb, if not ye		t done.							
PATCH DECK													
SEAL DECK													
OVERLAY DECK													
REPAIR/REPLAC	E DECK JOINTS												
RESET/ PAINT B	EARINGS												
WASHING			2013	Remove	gravel from curb top.								
SHOTCRETE RE	PAIRS												
REPAIR ABUTM	ENT SCOUR/EROSI	ON											
PLACE ADDITIO	NAL RIP RAP		2013	Armour SW ditch erosion; extend to 20m3 CL1 + 30m3 pitrun on filter fab		SW hslp, ric.							
REMOVE DRIFT	ACCUMULATION		2013	At P2 an	d 5 old piles.								
OTHER ACTION	OTHER ACTION		2013	Lower sheathing both piers approx. 3 75x205 TT. Consider widening both pier bases & reinforced concrete footings in boxes		pouring							
OTHER ACTION			2013	1	e to expose and core A1 sub								
OTHER ACTION			2013	Assess s	trategy - if not done. (Do as y repairs.)								
OTHER ACTION			2013	Replace Repair/re and SE v	all caps and corbels. eplace rotted piles A2P7, bot ving.	th piers							
OTHER ACTION			2013	1	nin. annually until repaired o	r							
OTHER ACTION			2013	3 Consider barricade closure of E shou									
Structural Cond (%)	Structural Condition Rating (Last/Now)			3	Sufficiency Rating (Last/N (%)	low) (	65.1/54.9	Es	t. Repl. Yr	2017	Maint. Red	qd. (Y/N)	Yes
Special Comments for Next Inspection	(Inspect every 12mt Currently not being ERY can be extend 08Mar2013. LRA sent to Donald	inspecte ed to ap	ed as per prox. 20	Stu Beck 25-2030 w	er's recommendation in 200 ⁄ith substructure repairs - G. n 08Mar2013.	0. Roberts	Department Comments						
Maintenance Rev	iewed By						Date			E	Estimated Total	0	
Proposed Long-Term Strategy													
On 3-Year Progra	ım (Y/N)												
Proposed Action													
Previous Inspecto	or's Name	Owen	Salava			Previous	Previous Assistant's Name						
Next Inspection D	ate	08-Jun	-2016			Previous	Inspection Date		06-Jan-2012				
· · · · ·		39											

Comment